

AMENDMENTS TO THE CLAIMS

1 1. – 11. (canceled)

1 12. (previously presented) A Bragg reflector comprising:
2 one or more first layers adjacent one or more second layers, the first and
3 second layers having at least one sidewall, wherein the first and second layers define one or
4 more gaps; and
5 a support layer formed over a portion of the sidewalls to support the second
6 layers against movement.

1 13. (original) The Bragg reflector of claim 12 wherein the second layers and the
2 support layer comprise substantially the same material.

1 14. (original) The Bragg reflector of claim 12 wherein at least a portion of the
2 support layer is electrically conductive.

1 15. (previously presented) The Bragg reflector of claim 12 wherein a portion of the
2 support layer is electrically non-conductive.

1 16. (previously presented) A distributed Bragg reflector comprising:
2 a substrate;
3 a plurality of structure layers on the substrate each spaced apart by a gap, the
4 structure layers each having edges; and
5 a support layer about a portion of the edges for supporting the structure layers
6 such that the structure layers remain stationary.

1 17. (original) The distributed Bragg reflector of claim 16 further comprising
2 sacrificial layers between the structure layers, the sacrificial layers undercut to define the
3 gaps.

1 18. (original) The distributed Bragg reflector of claim 16 wherein the support layer
2 comprises a material selected from the group consisting of InP, GaAs, and Si.

1 19. (original) The distributed Bragg reflector of claim 16 wherein the structure layers
2 comprise a material selected from the group consisting of InP, GaAs, and Si.

1 20. (original) The distributed Bragg reflector of claim 16 wherein the support layer
2 covers at least a portion of a top of the structure layers.

1 21. (previously presented) The Bragg reflector of claim 12, wherein the support
2 layer holds said second layers substantially parallel to each other.

1 22. (previously presented) The Bragg reflector of claim 12, wherein the support
2 layer partially overlaps a top side of a top layer of said one or more second layers.

1 23. (previously presented) The distributed Bragg reflector of claim 16, wherein the
2 support layer further holds said plurality of structure layers substantially parallel to each
3 other.

1 24. (previously presented) The distributed Bragg reflector of claim 16, wherein the
2 support layer partially overlaps a top side of a top structure layer.

1 25. (previously amended) A distributed Bragg reflector comprising:

2 a substrate;

3 a plurality of structure layers on the substrate each spaced apart by a gap, the

4 structure layers each having edges and being substantially parallel to each other; and

5 a support layer on a portion of the edges for supporting the structure layers.

1 26. (previously presented) A distributed Brag reflector comprising:

2 a substrate;

3 a plurality of structure layers on top of the substrate each spaced apart by a

4 gap, the structure layers each having edges; and

5 a support layer being about a portion of the edges and overlapping a top

6 portion of a top structure layer.